

Monoclonal Antibody to CD72 (CD72.1 alloantigen) - FITC

Alternate names:	B-Cell marker, B-cell differentiation antigen CD72, Ly-32, Ly32, Lyb-2, Lymphocyte antigen 32
Catalog No.:	AM08051FC-N
Quantity:	0.5 mg
Concentration:	0.5 mg/ml
Background:	<p>Murine CD72.1/Lyb-2.1, a type II integral membrane glycoprotein and a member of the C-lectin family of cell surface receptors, is a differentiation antigen of B cells, and is found in mouse strains expressing the Lyb-2.1 allotype. CD72.1 is the ligand of CD5 (Ly-1) which is distributed on all T cells and a small number of B cells. (Ref.1,2)</p> <p>This clone blocks binding of CD5 to CD72 on the B cell surface, which leads to inhibition of the positive signal resulting from CD5/CD72 pairing. (Ref.1) However, 10-1.D.2 can itself trigger a positive signal by binding CD72. (Ref.1-5)</p>
Uniprot ID:	P21855
NCBI:	XP_003086403.1
GeneID:	100504743
Host / Isotype:	Mouse / IgG2b
Clone:	10-1.D.2
Immunogen:	DBA/2 mouse spleen cells. (Ref.1)
Format:	State: Liquid purified Ig fraction. Buffer System: PBS containing 0.09% Sodium Azide as preservative. Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry: < / = 1 µg/10e6 cells. (Ref.1,2) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises CD72.1/Lyb-2.1 (Mr. 45 kDa). Species: Mouse. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch
General Readings:	<ol style="list-style-type: none">Luo, W., H Van de Velde, I. von Hoegen, J.R. Parnes, and K. Thielemans. 1992. J. Immunol. 148:1630.Subbarao, B., and D.E. Mosier. 1983. J. Immunol. 130:2033.Snow, E.C., J.J. Mond, and B. Subbarao. 1986. J. Immunol. 137:1793.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com



4. Robinson, W.H., M.M Landolfi, H. Schaffer and J.R. Parnes. 1993. J. Immunol. 151:4764.
5. Beavil, A.J., R.L. Edmeades, H.J. Gould and B.J. Sutton. 1992. Proc. Nat. Acad. Sci. 89:753.

Pictures:

Immunofluorescent Staining: BALB/c spleen cells were double-stained with Mouse anti-Mouse CD72.1-FITC and rat anti-mouse CD19-RPE. Lymphocytes were then gated and analyzed by flow cytometry. Amount Used: $< / = 1 \mu\text{g}/10\text{e}6$ cells.

